

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003028**Date Inspected:** 19-Dec-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies (OBG), OBG and Office.**Bid Item:** 77, 78, 79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

Surface Platforms SP5-02 and SP6-02, NOI Number 5398: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Surface Platforms SP5-02 and SP6-02 was tested in accordance with SSPC-SP 1 (Surface Cleanliness), SSPC-PA 2 Dry Film Thickness (DFT), ISO 11127-6, ISO 11127-7 (Residual Chlorides) and ASTM D4752 (MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub). Test results recorded failed MEK resistance test. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding to the next check point.

Splices (226 Each) and Crash Barriers (6 Each), NOI Number 5405: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices (226 Each) and Crash Barriers (6 Each) in preparation for blasting operations. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit Crash Barriers (6 Each) for inspection due to the presence of oil and grease on substrate. No other discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

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OBG

11DE/11EE OBG Connection Weld Seam Internal Ceiling, NOI Number 5400: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on 11DE/11EE OBG Connection Weld Seam Internal Ceiling. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

11CE/11DE OBG Exterior Weld Seam Connection, NOI Number 5404: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on 11CE/11DE OBG Exterior Weld Seam Connection was tested in accordance with SSPC-SP 1 (Surface Cleanliness). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Office

Attend to report writing and photo documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer
